

# VISION 360™

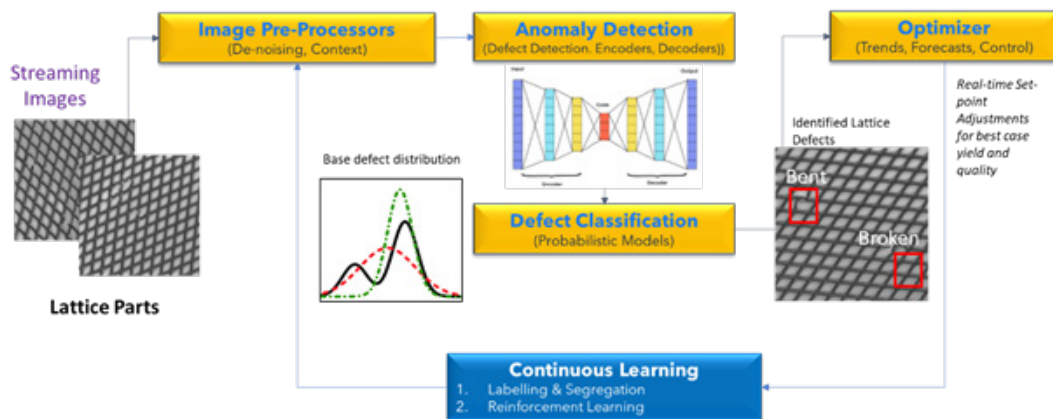
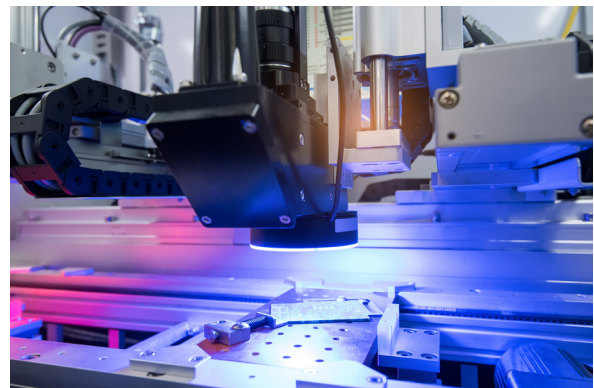
## Vision 360

**Brings vision system-based inspection to the next level of accuracy with actionable insights**

Vision 360 is a solution that improves manufacturing inspection accuracy with image acquisition and deep learning analytics. It takes full advantage of the advances in AI and parallel computing. This groundbreaking technology goes beyond detection of visual information by providing actionable insights to improve quality, yield and cycle time.

Heretofore, vision systems are passive in the production process and prone to provide false or missed alerts. With Vision 360, rich information captured by the vision system, augmented with AI becomes a real time proactive part of the production line

process. With real time clustering, classification and forecasting of key KPIs, Vision 360 provides early identification of potential problem areas and continuously steers the production to operate at its highest point of efficiency.



Vision 360 can integrate production lines that include process machines along with optical inspections to drive faster and more accurate decisions during the manufacturing process.

Leveraging the latest advantages in GPU computing, Vision 360 transforms the visual inputs sub-second to provide inferences in real time. It is offered on cloud, private cloud or inhouse infrastructure.

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## Top 10 Features

- **Image Acquisition** – connectors to a wide-range of optical inspection systems and camera devices
- **Pre-built Vision Inspection Templates** – Templated models for rapid set-up, training and deployment into production
- **Anomaly detection and Prediction** – Anomaly detection and prediction using deep AI models
- **Real-Time Quality Assessment** – Monitor in real-time production quality with automated defect detection, production unit health scores, alerts and notifications
- **Automated Defect Classification** – AI models that combines live Image data with operating data for accurate defect classification and sorting
- **Deep Forecasting** – deep learning AI models layered with Image AI for quality forecasting and pre-cursor detection
- **Soft-sensing** - Soft-sensing of critical process parameters in real-time
- **Optimization** – Real-time Process Optimization Advisories to run production close to golden batch conditions
- **Model Management** - Automated model re-training for anomaly detection, forecasts, soft-sensing, and optimisation
- **MLOps, Continuous integration, continuous deployment** – No resource drain for end-users or IT staffs to keep up with new releases and feature enhancements

### About SymphonyAI Industrial

SymphonyAI Industrial, a SymphonyAI business, is an innovator in industrial insight, accelerating autonomous plant operations. The industry-leading EurekaAI/IoT platform and industrial optimization solutions connect tens of thousands of assets and workflows in manufacturing plants globally and process billions of data points daily, pushing new plateaus in operational intelligence. SymphonyAI Industrial solutions provide high value to users by driving variability out of processes and optimizing operations for throughput, yield, energy efficiency, and sustainability.

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